

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1.-19. (Canceled)

20. (New) A method of immunosuppressing a mammal, comprising administering a composition comprising an antigen recognized by a CD4⁺CD25⁺ regulatory T cell to the mammal.

21. (New) The method as claimed in claim 20, in which the mammal is a human being.

22. (New) The method as claimed in claim 20, additionally comprising a step of administering Interferon- γ to boost the immune response from the mammal.

23. (New) The method as claimed in claim 20, additionally comprising a step of administering Interleukin 12 and Interleukin 18 to boost the immune response from the mammal.

24. (New) The method as claimed in claim 20, in which the immunosuppressing is used to prevent and/or treat an autoimmune disease.

25. (New) The method as claimed in claim 20, in which the immunosuppressing is used to prevent and/or treat an allergic disease.

26. (New) The method as claimed in claim 20, in which the immunosuppressing suppresses a rejection reaction and/or a

graft-versus-host reaction in an organ or tissue transplantation.

27. (New) The method as claimed in claim 20, in which the antigen recognized by the CD4⁺CD25⁺ regulatory T cell comprises a molecule identified by a SEREX method.

28. (New) The method as claimed in claim 20, in which the composition comprises an expression vector that encodes an antigen recognized by a CD4⁺CD25⁺ regulatory T cell.

29. (New) The method as claimed in claim 28, in which the antigen recognized by the CD4⁺CD25⁺ regulatory T cell comprises a molecule identified by the SEREX method.

30. (New) The method as claimed in claim 27, in which the molecule identified by the SEREX method comprises an autoantigen.

31. (New) The method as claimed in claim 27, in which the molecule identified by the SEREX method comprises one selected from the group consisting of DnaJ-like2, Galectin-8, poly(A)-binding protein, and Ligase-1.

32. (New) The method as claimed in claim 28, in which a gene gun is used for administration of the composition.

33. (New) The method as claimed in claim 21, additionally comprising a step of administering Interleukin 12 and Interleukin 18 to boost the immune response from the human being.

34. (New) The method as claimed in claim 21, in which the immunosuppressing is used to prevent and/or treat an autoimmune disease.

35. (New) The method as claimed in claim 21, in which the immunosuppressing is used to prevent and/or treat an allergic disease.

36. (New) The method as claimed in claim 21, in which the immunosuppressing suppresses a rejection reaction and/or a graft-versus-host reaction in an organ or tissue transplantation.

37. (New) The method as claimed in claim 29, in which the molecule identified by the SEREX method comprises an autoantigen.

38. (New) The method as claimed in claim 29, in which the molecule identified by the SEREX method comprises one selected from the group consisting of DnaJ-like2, Galectin-8, poly(A)-binding protein and Ligase-1.

39. (New) The method as claimed in claim 29, in which a gene gun is used for administration of the composition.